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(54) Title: SELF-ADJUSTING ROTATING JOINT, ESPECIALLY FOR LIQUID DISTRIBUTION DEVICES

(57) Abstract

A self-adjusting rotating joint (1), especially for liquid distribution devices, including a first substantially tubular element (3), adapted to be connected to a liquid feeding inlet pipe, a second substantially tubular element (2), adapted to be connected to a liquid distribution nozzle, connecting means (6, 25) adapted to connect pivotally first (3) and second element (2), so as to allow their reciprocal rotation around a common axis (V), with limited axial relative displacement, transmitting a reaction force generated by the jet and lying on a plane passing through said common axis (V), braking means (15, 16, 17, 18, 20, 21, 22, 23, 30, 31) to counter the relative rotary motion of the element (2,3) about the rotation axis (V). The rotating joint is characterised in that the connecting means are made of a substantially cylindrical tubular element (6, 25) with substantially constant outer diameter.